

**CONNECTING CITIES  
WITH LIGHT** ANNUAL REPORT  
**IN 2018**





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# EDITORIAL



**Mr. Hee Seon Jin**  
President of LUCI  
Vice Mayor II of Seoul

*At the Annual General Meeting 2018 in Rabat, it was a great honour for the city of Seoul to take on the LUCI Presidency as the first city in Asia to lead the LUCI network. I would like to start by thanking Ms. Mary-Ann Schreurs, President of LUCI 2016-2018, for her brilliant leadership.*

*In line with our Strategic Plan, over the last two years LUCI has renewed its core thematic framework in the form of “LUCI Pillars”. A lot of progress is being made with multiple working group meetings that will strengthen the LUCI network as a whole. European and international projects are under way (Pathways to Smart Urban Lighting, Rock EU project) or have been launched in 2018 (Smart Space INTERREG North West Europe Project) that will bear much fruit in the coming years.*

*During this past year, LUCI has continued its mission to connect cities in the lighting field around the world by organising major events to enable exchange of experience and know-how. LUCI events have seen a constant growth in attendees and offer a high level of quality and pertinence.*

*We have further developed our regional reach with a workshop for Asian cities in Seoul (South Korea) and a training session in Ouagadougou (Burkina Faso) for African cities. In Toulouse (France), during the City under Microscope and Rabat (Morocco), during the Annual General Meeting, it was clear that urban lighting is increasingly recognised as a key component for urban development, as well as for innovative and smart cities. At the Lyon Light Festival Forum, we inaugurated the pecha kucha-style sessions to build a stronger peer-to-peer perspective on creative lighting.*

*I would like to warmly thank all the cities and associated members that hosted events and all the key individuals that contributed in the content and participated in our initiatives and projects. 2019 looks even brighter and I am looking forward to meeting many of you to keep up this fantastic work together.*



# LUCI NETWORK

LUCI brings together municipalities across the world, committed to using light as a tool for sustainable development. These cities are joined by associated members, including lighting professionals, companies, and universities.

Through the organisation of international events and conferences, and its involvement in various lighting projects and research, LUCI creates spaces for exchange of knowledge and good practices in sustainable urban lighting.

# LUCI MEMBERS

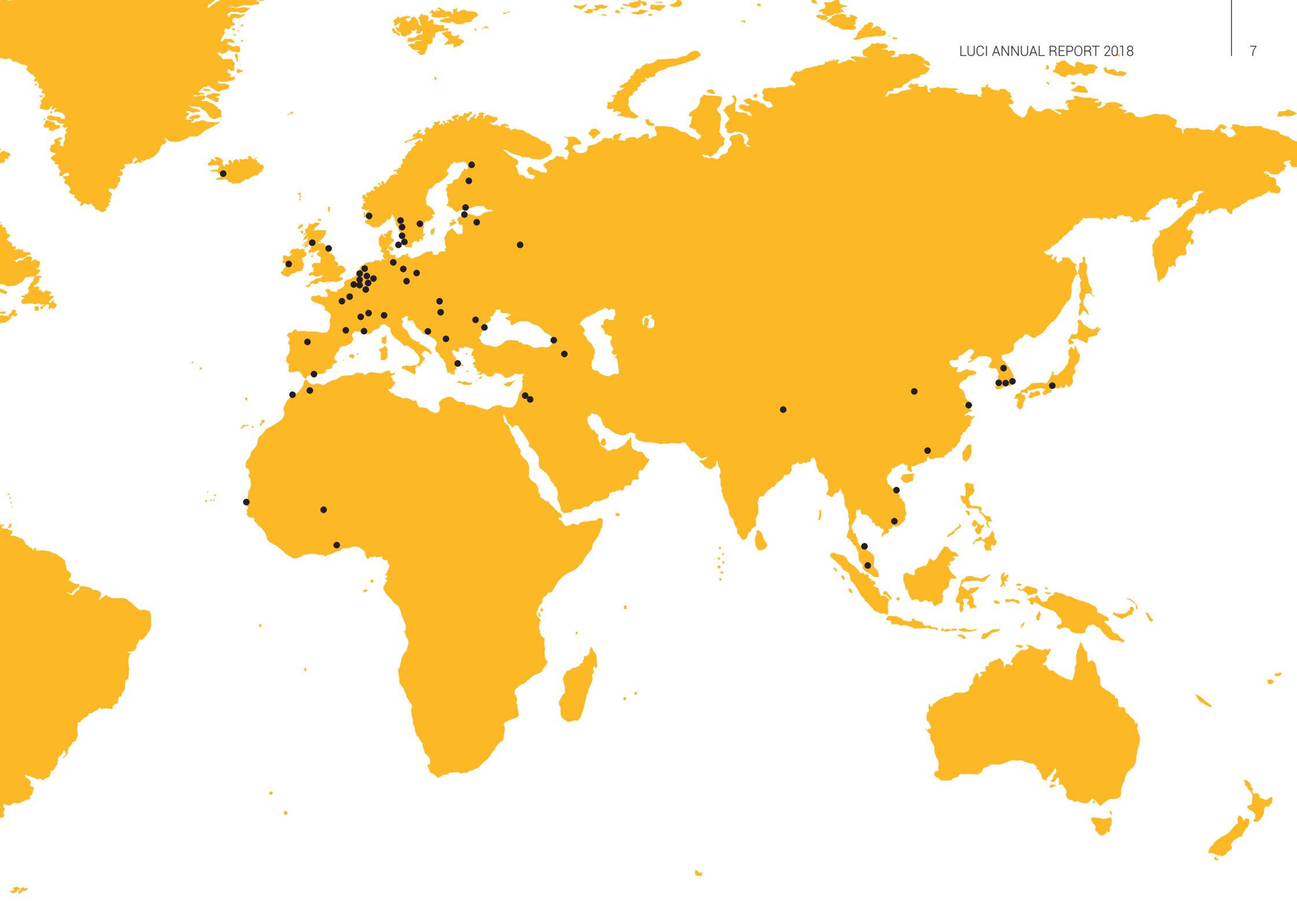
## 69 MEMBER CITIES



- › Abomey (Benin)
- › Agii Anargiri-Kamatero (Greece)
- › Albertslund (Denmark)
- › Alingsås (Sweden)
- › Amsterdam (The Netherlands)
- › **Antwerp (Belgium)**
- › Batumi (Georgia)
- › **Bharatpur (Nepal)**
- › Brussels-Capital (Belgium)
- › Bucharest (Romania)
- › Budapest (Hungary)
- › Busan (South Korea)
- › Chartres (France)
- › Chicago (USA)
- › **Chefchaouen (Morocco)**
- › Copenhagen (Denmark)
- › Dakar (Senegal)
- › Dubrovnik (Croatia)
- › Durham (United Kingdom)
- › Eindhoven (The Netherlands)
- › Galway (Ireland)
- › Geneva (Switzerland)
- › Ghent (Belgium)
- › Glasgow (United Kingdom)
- › Gothenburg (Sweden)
- › Guangzhou (China)
- › Gwangju (South Korea)
- › Hamburg (Germany)
- › Hancheng (China)
- › Helsingborg (Sweden)
- › Helsinki (Finland)
- › Ho Chi Minh City (Vietnam)
- › Hue (Vietnam)
- › Jelenia Gora (Poland)
- › Jericho (Palestine)
- › Jinju (South Korea)
- › Jyväskylä (Finland)
- › Leipzig (Germany)
- › Liege (Belgium)
- › **Linköping (Sweden)**
- › Lyon (France)
- › Malaga (Spain)
- › Marseille (France)
- › Medellin (Colombia)
- › Moscow (Russia)
- › Novi Sad (Serbia)
- › Osaka (Japan)
- › Ouagadougou (Burkina Faso)
- › Oulu (Finland)
- › Paris (France)
- › Puebla (Mexico)
- › Putrajaya (Malaysia)
- › Rabat (Morocco)
- › Ramallah (Palestinian Territories)
- › Reykjavik (Iceland)
- › Rotterdam (The Netherlands)
- › Seoul (South Korea)
- › Shanghai (China)
- › Skopje (Macedonia)
- › Stavanger (Norway)
- › Strasbourg (France)
- › Tallinn (Estonia)
- › Tartu (Estonia)
- › Toulouse (France)
- › Turin (Italy)
- › Valladolid (Spain)
- › Varna (Bulgaria)
- › Yala (Thailand)
- › Yerevan (Armenia)

\* New members in bold





## NEW LUCI MEMBER CITIES



### ANTWERP - BELGIUM

Antwerp, the third largest city in Belgium, major port, and world centre of the diamond trade, joined LUCI at the end of 2018.

The city's lighting master plan, validated in 2012, focuses on sustainable and efficient LED lighting in streets and squares. In line with this, the municipality has already implemented new lighting for the Grote Markt, City Hall and surrounding areas. New lighting for the city's most important symbol, the Antwerp Cathedral, followed in summer 2018. Antwerp has also been implementing a successful switch to LED lighting over the past few years.

*“Experience and exchange of lessons learned is of great importance. The LUCI network provides an important opportunity to exchange experiences and to benchmark new applications. Through different LUCI publications and meeting opportunities, we get practical examples that provide new and inspiring insights”, says Alderman Ludo Van Campenhout.*

The City of Antwerp is also investigating the possibilities linked to new technologies on smart lighting and data sharing in a living lab smart city pilot project. [www.antwerpen.be](http://www.antwerpen.be)

Read an interview with Alderman Ludo Van Campenhout on light in Antwerp at <http://www.luciassociation.org/light-brings-life-to-the-city-antwerp-alderman-ludo-van-campenhout/>



### BHARATPUR - NEPAL

Bharatpur, the fourth largest city in Nepal with a population of over 280 000, joined the LUCI network in the summer of 2018.

The Bharatpur Metropolitan City vision and mission is to develop as a clean, green and safer city. The city, which has implemented several solar street lighting projects since 2014 with over 400 solar street lights installed so far, is looking to expand its public lighting network.

*“There is a huge demand from the public for solar street lights, so we hope to gradually develop our solar street light network with participation from city residents”, says Renu Dahal, Mayor of Bharatpur Metropolitan City. Inhabitants contribute up to 30% of the total investment and the central government contributes up to 65% in solar street lighting projects.*

*“Our participation in LUCI's Asia Urban Lighting Workshop, which took place in Seoul in June 2018, inspired our municipality to join the network and improve our knowledge of urban lighting by learning from other cities around the world”, says Renu Dahal.*

<http://bharatpurmun.gov.np>



### LINKÖPING – SWEDEN

Linköping, a city of 158 800 inhabitants in southern Sweden, is the 4<sup>th</sup> LUCI member in Sweden.

The city has been working on winter light arrangements since 2004 and was one of the first cities in Sweden to arrange such illuminations. Over the years, several new walkways and light installations have been created in different parts of the city.

The success of the winter lights – which encouraged Linköping residents to discover new parts of their city and which also contributed to an increase in the feeling of safety in certain areas – has resulted in increased public investment on light in the urban space.

*“We are very happy to join LUCI, to share our experiences along with the other cities in the network. We look forward to taking all the best that they have done, and of course, giving back in every way we can,” says Jonas Sjölin, Head of Urban Development, Maintenance and Traffic at the City of Linköping.*

[www.linkoping.se](http://www.linkoping.se)

# 42 ASSOCIATED MEMBERS

\*New Members

## 6 SUPPORTING ASSOCIATED MEMBERS



› France



› Belgium



› France



› Germany



› The Netherlands



› United Kingdom

## 36 ORDINARY ASSOCIATED MEMBERS



› Italy



› France



› Russia



› The Netherlands



› United Kingdom



› France



› France



› Poland



› Finland



› France



› France



› United Kingdom



› Canada



› France



› France



› Germany



› Denmark



› Finland



› China



› The Netherlands



› Switzerland



› France



› China



› France



› Germany



› France



› Belgium



› Portugal



› USA



› Canada



› Belgium



› Belgium



› France



› United Kingdom



› United Kingdom



› Russia

# PROMOTING A CULTURE OF SUSTAINABILITY IN LIGHTING

The LUCI Charter on Urban Lighting marks the network's commitment to sustainable development.

The Charter addresses challenges common to all: energy efficiency, improvement of the quality of life, reduction of light pollution, maintenance, recycling, the cultural and social dimensions of light, etc. Above all, it provides a reference framework within which cities can develop their own sustainable lighting strategies.

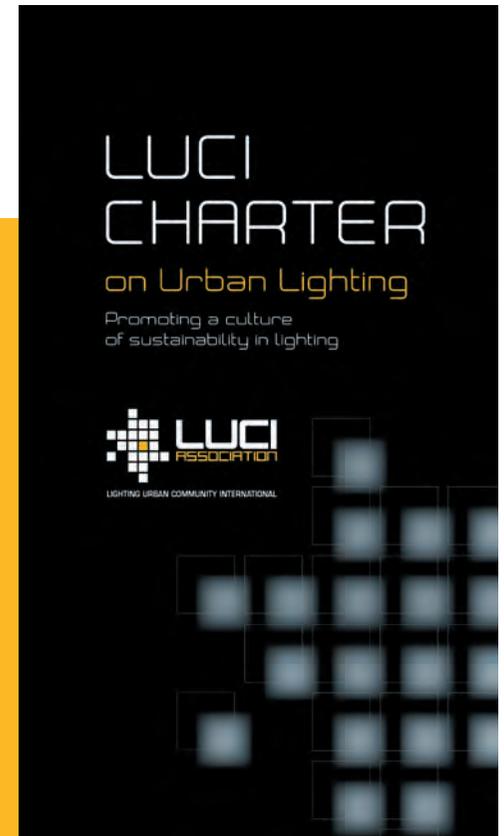
The Charter is the product of contributions from more than 40 cities around the world. It was launched in September 2010, after over a year of work led within the network by the City of Leipzig (Germany).

By signing the LUCI Charter, cities commit to implementing public lighting policies that respect sustainable urban development.

61 SIGNATORY\* CITIES

“We strongly believe that urban lighting, with its capacity to organise and stimulate urban activities, to enhance cities and their urban spaces and to increase the quality of life of their inhabitants, can contribute positively to building sustainable cities.”

From the LUCI Charter on Urban Lighting >



\*Cities that have signed or committed to sign the LUCI Charter. See the full list of cities that have signed the charter here:

<http://www.luciassociation.org/about-luci/charter-on-urban-lighting/>



# LUCI PILLARS

The LUCI Pillars are the thematic building blocks for the organisation as defined by the LUCI Strategic Plan [2017-2027].

The LUCI Pillars reflect some of the main challenges faced by cities today and the potential solutions that an optimal use of light can bring: Health & Wellbeing, Public Spaces, Social Cohesion, Art & Culture, and Governance.

The Pillars are spaces where each member of the network can be involved, they are cross-disciplinary platforms designed to develop collaborative initiatives and projects within LUCI.

The LUCI Pillars aim to be catalysts for innovation and creativity.

The activities within each Pillar are rooted in LUCI's approach to urban lighting based on the guidelines of the LUCI Charter, mainly:

- > Sustainable lighting as a working culture
- > Limitless opportunities with innovative and smart technologies in lighting
- > Citizen-focused lighting



## HEALTH & WELLBEING

Ensuring health and wellbeing of each citizen is a fundamental priority of every city.

The non-visual impacts of light at all hours can affect our mood, behaviour and our circadian rhythm. Light pollution can also have negative impacts on human wellbeing. With innovative lighting solutions, cities can improve the lives of the most citizens, e.g. in schools or nursing homes. The right indoor and outdoor lighting contributes to providing people with healthier, secure and comfortable environments.

### • Objectives and activities

The objective of this relatively new topic for LUCI is to gather and share existing practices, initiatives and experience within cities. We would like to spark international discussion within LUCI members on the importance of these issues and build upon this expertise to develop our common knowledge.

### • Leaders and partners

The City of Albertslund (Denmark) is the co-leader of this pillar.

At LUCI, we believe that light can act as a major stimulus to help cities address issues related to health & wellbeing and mitigate the negative side-effects of modern daily life.

### LUCI CONFERENCE

An Open Conference Session was held during the AGM Rabat to inform LUCI members about ongoing projects linking light and health in the Greater Copenhagen region. The City of Albertslund presented the **LIGHTING METROPOLIS** project and its Living lab for innovation and smart lighting applications, which features several projects focused on health and wellbeing.



In Albertslund, a “Light and Learning” project has been developed to improve the learning environment for the pupils in schools. Tests have been made to assess if new lighting designs can improve concentration and the ability to learn. Elderly people in Albertslund have participated in a clinical and anthropological research project on the effects of smart lighting in an assisted living facility. In Helsingborg’s neonatal department, a pilot study supporting the wellbeing of premature babies with dynamic lighting has been undertaken in collaboration with lighting designers.





# PUBLIC SPACES

Public spaces are the beating heart of the city. They are the spaces where people - inhabitants and visitors alike - experience the city, its architecture and its infrastructure.

Developing good lighting policies for public spaces has the power to enhance urban structures and areas. It can create distinctive ambiances and nightscapes. Light can help citizens to navigate the spaces they inhabit or visit and can be a powerful tool to support smart and environmentally-friendly mobility. It can contribute to an attractive, functional and secure living environment, and boost identity and experience for residents and tourists.

## • Objectives and activities

LUCI seeks to advance our common knowledge of the role of light in public spaces by creating innovative tools to enhance the exchange of information on this topic.

## • Leaders and partners

This pillar is led by the City of Jyväskylä (Finland) and co-led by the City of Seoul (South Korea) and Glasgow (United Kingdom).

At LUCI, we believe that light can be the enabler of new applications and services in the public space, and it can even help reconstruct the notion of public space itself.



## LUCI CONFERENCE

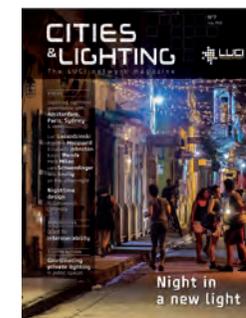
### INTERNATIONAL PANEL DISCUSSION: "LIGHTING HERITAGE CITIES"

A panel of city representatives and lighting experts at the LUCI AGM Rabat (see page 22) addressed how light can be a tool to enliven heritage cities and create a shared heritage. Panellists emphasised the importance of a long-term, politically supported, city-wide strategy that reflects local people's relation to the heritage, considers the overall vision and nocturnal landscape of the city, and takes into account all the different users and stakeholders.

## LUCI PUBLICATION

### NIGHT IN A NEW LIGHT

Governance of the night was central to the 7<sup>th</sup> issue of the *Cities & Lighting* magazine as it explored the new dimensions of the night and the role of urban lighting. Leading policy-makers, lighting professionals and researchers from Amsterdam, Paris, Sydney and beyond were asked to give their view on the multiple facets and the future of nighttime.





## SOCIAL COHESION



At LUCI, we believe that light is an enabler of urban regeneration and social sustainability, and that it is a powerful and creative tool for citizen participation.

In order to nurture social interaction, people and places should be connected throughout the city.

In today's increasingly digitised societies, light can encourage people to identify with each other as users of the same city and interact in the space around them, especially during nighttime. Light contributes to bonding people and bridging gaps regardless of age, ethnicity, gender, religion, level of income, etc. Freely and equally accessible light can also improve quality of life throughout the entire city. Citizen participation and interaction are a major goal in the management of local public policies to enable a user-focused city. Urban lighting can help to foster social cohesion by concretely involving communities.

- **Objectives and activities**

The activities in this Pillar will explore how light can support community engagement, urban regeneration and placemaking processes. We will favour innovative learning methods to develop ideas and solutions in a participatory approach.

- **Leaders and partners**

This pillar is led by the City of Glasgow (United Kingdom) and co-led by the cities of Gothenburg (Sweden) and Seoul (South Korea).

## LUCI CONFERENCE

### INTERNATIONAL PANEL DISCUSSION: “INCLUSIVE LIGHT”

The LUCI AGM Rabat featured an international panel discussion with city representatives, academics and practitioners to discuss how urban lighting can help foster social cohesion. Moderated by the City of Glasgow, the discussion ranged from a city-wide policy perspective, to specific methods and ideas on involving communities, including examples of social research, community night walks and workshops.

## LUCI PILLAR WORKING GROUP

Over 10 cities came together in the first Social Cohesion Pillar working group meeting on 31 October 2018 during AGM Rabat to start a conversation on municipal needs and activities related to light and community engagement, urban regeneration and placemaking processes and to lay the groundwork for potential collaborative projects in the future.





## ART & CULTURE

**Art is an essential driving force that inspires urban leaders to develop their city and to deliver diversity to the culture and identity of the city.**

Both permanent urban lighting and light festivals can help cities showcase urban creativity. Light becomes a playful material for all, a tool to explore people's needs and dreams for their own city. Light combined with art reinforces the cultural identity of a city and is a clear asset to any urban lighting strategy.

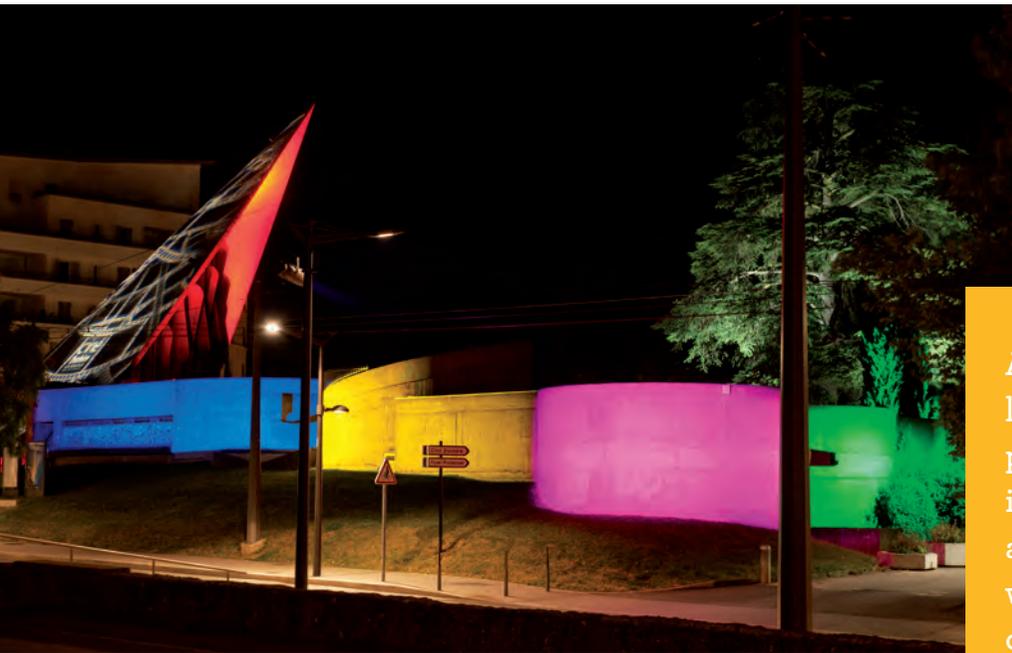
At LUCI, we believe that light can be a tool to promote art and culture in the urban space and transform the way we live and experience our cities.

- **Objectives and activities**

The main goal is to open the field of creative lighting to new artistic forms in both permanent and festival lighting. The activities in this Pillar will explore how a co-creation approach can be implemented among the members of the network for example, through structured exchange and peer-to-peer capacity building sessions.

- **Leaders and partners**

The City of Lyon (France) is the leader of the "Art & Culture" pillar. The City of Gothenburg (Sweden) is the co-leader of this pillar.



## LUCI PILLAR WORKING GROUP

The Art & Culture Pillar working group met during the City under Microscope Toulouse and the AGM Rabat to discuss next steps for the pillar. In Toulouse, the pillar group met for the first time to establish some goals and orientations to move forward. In Rabat, the working group began activities on creating a database of existing permanent light art works in public spaces around the world.

## LUCI CONFERENCE

The Lyon Light Festival Forum 2018 conferences focused on the “Essence of Light: New forms of creative lighting for cities” and explored how artistic lighting and light festivals contribute to the overall creativity of a city. (See p.26)

## LUCI ONLINE RESOURCES LIGHT FESTIVAL CALENDAR

The LUCI Light Festival Calendar aims to showcase light festivals from around the world and constitutes a unique database for cities and lighting professionals

involved in light festivals. Around 50 festivals are listed and regularly updated. Register and visit <http://www.luciasociation.org/lyon-light-festival-forum-2018-full-videos/>





## GOVERNANCE

**Local governments are in the best position to frame and manage a number of public services that need to be increasingly user-focused.**

Cities are at the heart of innovation, procurement, implementation, maintenance and evaluation of effective lighting strategies. They are in a process to better understand the implications of new lighting technologies, and develop with all their partners inclusive, balanced and effective strategies for their citizens. Governance issues focus on lighting to increase the quality of life and smart lighting strategies as meaningful solutions to transform cities.

At LUCI, we believe that light is a major opportunity for cities to develop multiple helix partnerships that aim at creating societal added value.

- **Objectives and activities**

Our objective is to encourage a worldwide discussion about governance of lighting in cities in order to foster an open and transversal dialogue around these topics. We will explore, develop and help cities deploy new strategies based on local experiences and with the engagement of public and private stakeholders.

- **Leaders and partners**

The City of Eindhoven (The Netherlands) is the leader of this pillar. The City of Lyon (France) is the co-leader of this pillar.



## LUCI EU PROJECTS



### ROCK project:

As part of the H2020 EU project ROCK, LUCI, in partnership with the City of Lyon, organised a workshop

in September 2018 with 10 participating cities to explore the challenges of the governance of private lighting in public spaces. (see p. 33)



**Smart Space:** As part of the Interreg North West Europe Smart Space project, LUCI started to exchange with partners to facilitate the uptake of smart lighting in small/ mid-size municipalities to enhance energy-efficiency and reduce CO<sub>2</sub> emissions. (see p. 34)

## LUCI RESEARCH PROJECT

The **Pathways to Smart Urban Lighting** project in partnership with the London School of Economics (Configuring Light) will help cities better assess the challenges and possibilities of smart lighting. (see p. 32)

## LUCI PUBLICATION

**Smart lighting – “The times they are a-changin’»** Issue n° 7 of the *Cities & Lighting* magazine featured an opinion piece from the City of Eindhoven’s Rik van Stiphout on some of the points to consider as municipalities move forward with city-wide smart lighting projects.







LUCI



وزارة الداخلية





**LUCI Annual  
General Meeting**  
RABAT | Morocco

الجمع العام السنوي  
للجمعية الدولية للإتارة الحضريّة  
الرباط | المملكة المغربية

31 OCTOBER  
TO 3 NOVEMBER 2018

31 أكتوبر  
إلى 03 نونبر 2018

#LUCIagmRabat





# LUCI EVENTS

LUCI offers spaces for cities to exchange experience and know-how by organising events, conferences and meetings around the world.

**LUCI Annual General Meeting**  
The LUCI Annual General Meeting (AGM) is the international forum for cities on urban lighting. It brings together the members of LUCI for its General Assembly as well as conferences, working group meetings, open conference sessions and the discovery of the host city and its lighting policy.

**City under Microscope**  
A City under Microscope (CM) enables participants to discover the lighting strategy of a member city over a two-day period. It includes field visits and technical conferences on urban lighting projects. A chance to experience a city in its best light!

**Lyon Light Festival Forum**  
The Lyon Light Festival Forum (LLFF) brings together city representatives, artists and other lighting professionals. The aim is to discuss the issues related to event and creative lighting, with a mix of plenary conferences and short “pecha kucha”-style presentations.

In 2018, LUCI organised a visit to the **Light + Building** trade show in Frankfurt as well as **two regional workshops**: «Strategy and Management of Urban Lighting in West African Cities» in Ouagadougou and the 2<sup>nd</sup> Asia Urban Lighting Workshop in Seoul.

# LUCI ANNUAL GENERAL MEETING

RABAT, MOROCCO

31 OCTOBER - 3 NOVEMBER

Key event of the LUCI calendar, the LUCI AGM is the international forum for cities on urban lighting. It gathered this year 250 city representatives from over 40 cities in Rabat, Morocco. A unique opportunity to connect urban lighting professionals from Africa, Asia and Europe!

## EVENT AT A GLANCE

- 250 participants from 35 countries, representing 43 cities
- 34 speakers
- 7 conference Sessions, 2 International Panel Discussions, 13 Open Conference Sessions
- 65 tweets under #LUCIagmRabat

## RABAT AT A GLANCE

- LUCI member since 2002
- 700 000 inhabitants
- Declared Green City in 2010
- UNESCO World Heritage Site since 2012



*“The LUCI AGM was definitely an interesting opportunity for Rabat to present its global strategy to transform itself using light. This important event helped to draw on technologies that contribute to enhanced energy efficiency of lighting infrastructure and help reduce energy consumption over time.*

*Participants learned that light could be used as a tool for regeneration through sharing best practices and many experiences from cities all over the world. It has been wonderful to welcome such a prestigious assembly and show the positive impacts that light has had on our city. Admittedly, our integration into the LUCI Executive committee in 2018 remains a historic event for the Moroccan capital.”*

– Mohamed Sadiki

President of the City Council of Rabat





### Rabat, City of Light, Cultural Capital of Morocco

This AGM was the opportunity for the Moroccan capital, a UNESCO World Heritage city, to demonstrate how light is helping it move forward with major urban development projects such as “City of Light, Cultural Capital of Morocco”.

The Mayor of Rabat, Mohamed Sadiki, and Rabat’s Head of Public Lighting, Abderrahmane Mejdoubi, were joined by prominent experts from the region to explain the urban development and lighting strategy of Rabat.

### Light - a tool to enliven shared heritage in cities

 Drawing inspiration from Rabat as a UNESCO World Heritage site, the event was the perfect occasion for an international panel discussion on lighting heritage. It brought together city representatives and lighting experts to discuss how light can be a tool to enliven heritage cities and create a shared heritage.

*Organised with the support of LUCI supporting associated members Signify.*

Panellists emphasised the importance of a long-term, politically-supported, city-wide strategy that reflects local people’s relation to the heritage, considers the overall vision and nocturnal landscape of the city, and accounts for all the different users and stakeholders. Light should be an additional layer, one that does not simply illuminate the city’s heritage, but rather reveals and activates it.

### Light - a tool to build more inclusive cities

 A second international panel discussion focused on how urban lighting can help foster social cohesion. The discussion ranged from a city-wide policy perspective, to specific methods and ideas on involving communities, including examples of social research, community night walks and workshops.

### Cities worldwide share lighting projects

Cities from around the world, such as Budapest, Moscow, Paris, Ramallah, Helsinki, Gothenburg,

Strasbourg and Québec, amongst others, shared their latest lighting projects and research initiatives in the AGM Open Conference sessions. Some of the popular topics included innovative smart lighting solutions, light and art, LED streetlighting retrofit projects and light pollution, just to name a few.

### The future of urban lighting in Africa

Over 14 cities from Morocco and the wider African region, such as Abomey, Accra, Dar Es Salam, Fes, Kinshasa, Libreville, Kenitra, and Mfou were present in Rabat for feedback on recent developments of urban lighting.

It was the occasion to discuss the future of LUCI on the continent: representatives of cities and Mayors’ associations reaffirmed the importance of public lighting for better quality of life and economic and social development. They called for more peer-to-peer training and capacity-building in this domain, as well as more partnerships and decentralized cooperation.

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### THE GENERAL ASSEMBLY OF LUCI ASSOCIATION: A KEY MOMENT FOR THE NETWORK

Every year, the General Assembly is the occasion for LUCI members to discuss the network’s past and upcoming projects and events.

In Rabat, participants elected a new Executive Committee to lead the network, which was marked by the City of Seoul taking on the role as President of LUCI. Since the inception of the network in 2002, Seoul is the first city from Asia to lead LUCI. Rotterdam and Rabat are the new cities to enter the LUCI Executive Committee. (see p.40)

Mary-Ann Schreurs, from the City of Eindhoven, was given a standing ovation for her exceptional contributions as LUCI President from 2016 to 2018 and was made an Honorary Member of the LUCI network.

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*"We are very pleased to have organised the City Under Microscope in 2018 and to have hosted 34 cities around the world in Toulouse. This event conveyed a clear message from the City of Toulouse to national and international actors: light ensures the conditions of nighttime security, accompanies life in the city at night and highlights its heritage. The emergence of new technologies in recent years allows us to go beyond all of this, and to reconcile these basic needs with the necessary reduction of energy consumption.*

*The combination of these modern technologies with those of the digital world now makes it possible to imagine a new leap forward: lighting equipment can become a source of innovation and mutualisation. Lighting can be one of the concrete supports of the Smart City. As the lively debates at this event revealed, the prospects are real, and early economic models are emerging. Their consolidation, with reduced energy consumption, are among the major challenges of public lighting in the coming years"*

**– Emilion Esnault**  
City Councillor for Urban Lighting,  
City of Toulouse

# LUCI CITY UNDER MICROSCOPE

**TOULOUSE,  
FRANCE**

**23 - 25 MAY**

In 2018, the LUCI City under Microscope in Toulouse focused on the city's approach to the "smart" data economy and its implications and opportunities for cities and public lighting.

## EVENT AT A GLANCE

- 160 participants from 21 countries, representing 34 cities
- 19 speakers
- 3 conference sessions, 2 keynote speeches, 1 debate, 1 hands-on demo, 2 nocturnal visits
- 75 tweets under #LUCIcmToulouse

## TOULOUSE AT A GLANCE

- LUCI member since 2010
- 450 000 inhabitants
- France's 3<sup>rd</sup> largest university town





### A new light on Toulouse's rich heritage

The urban lighting strategy of Toulouse reflects the local municipal political objective to "Relight the city": i.e. provide better lighting that enhances Toulouse's over 200 heritage sites and create safe and comfortable spaces for citizens while reducing energy consumption and costs.

Participants got a first-hand view of this: the event started off with the inauguration by the Mayor of the new lighting of the Wilson Square, a national heritage site and one of the city's liveliest public spaces.

### Public lighting in Toulouse – innovative processes and projects

The public lighting network of Toulouse, which consists of approximately 67 000 lighting points that consume 25 GWh per year, is managed by the city's Public Lighting Department which has a full-time municipal staff of 35 persons.

The municipal public lighting team explained the management of the city's urban lighting network, from purchase to design, to technical management. They are setting up collaborative tools to better manage the public lighting, particularly for technicians on the field, and are also developing apps to better provide other services.

Participants also discovered some of the innovative lighting solutions that the City of Toulouse has developed with its partners, such as the "Kara" module, a plug & play smart streetlighting solution by local start-up Kawantech and "Eco-fit", a retrofit lamppost tailor-made for Toulouse by Philips Lighting.

This was complemented by presentations from some of the lighting designers working with the City of Toulouse featuring key lighting projects in Toulouse such as the Jacobins Tower and the Montaudran airport.

### Exploring new opportunities for cities of the future

A keynote speech by Nicolas Bouzou, Essayist and Economist, raised questions on the expected impacts of the digital revolution on cities as they relate to governance, technology, economy, and urban planning. A second keynote speech, by Vincent Gregoire-Delory from the Higher School of Science Ethics, examined the connected city through a bio-ethical lens, and questioned the nature of public lighting, its function, connectivity, and the notion of human privacy.

### THE VARYING STAGES OF IMPLEMENTING "SMART LIGHTING"

A city experience and feedback session saw cities from around the world talk about their smart lighting and data management policies for public service and infrastructure.

While cities are at varying stages of implementation of "smart lighting" (the definition of which is a topic of study within LUCI, with the "Pathways to Smart Urban Lighting" research project led by the London School of Economics – see p. 32), many have only just begun developing policies related to data management.

Discussions through the course of the event showed that while the cities present had varying approaches towards these technological evolutions and opportunities, all agreed that it was essential that citizens and their needs remain at the heart of all urban evolutions in the future.

Clearly, cities are excited by the opportunities now available – light is changing from something that was uniformly applied in the city, to something that is adapted to users.

# LYON LIGHT FESTIVAL FORUM

LYON, FRANCE

6 - 8 DECEMBER

 In December 2018, LUCI and the City of Lyon organised the Lyon Light Festival Forum (LLFF). The event, held during the Fête des Lumières, focused on creative lighting in all its forms.



## EVENT AT A GLANCE

- 200 participants from 29 countries
- 22 cities represented
- 22 speakers

## FÊTE DES LUMIÈRES AT A GLANCE

- 4 evenings of festivities
- 1.8 million visitors
- 41 installations

The 2018 Lyon Light Festival Forum focused on the theme “Essence of Light: New forms of creative lighting for cities” and explored the use of permanent and temporary light for cities and how this contributes to the overall creativity of a city.

### Light – helping cities to be more creative and engage people

Representatives from cities and light festivals explained the objectives and evolutions of their cities’ respective light festivals and creative lighting strategies. The discussion explored how permanent and temporary lighting projects contribute to the city’s overall creativity and help drive citizen engagement.

### New forms of creative lighting – is media architecture the future?

This session showcased concrete examples of new forms of creative lighting projects and events emerging throughout the world and featured perspectives from a lighting designer, light artist, academic, and creative director. The discussion centred on the role of projection mapping in the city and urban spaces in the years to come.

### Behind the scenes of the Fête des Lumières

Participants had the opportunity to meet the team responsible for the event in a Q&A session on Saturday morning. The Director of the Fête des Lumières and his team answered multiple questions from participants.

The session also included a special presentation from the Guangzhou International Light Festival.

The event also included two evenings to experience the unique atmosphere of the Fête des Lumières, with guided tours and the opportunity to meet some of the festival light artists on site at their installations.

Couldn't be with us in Lyon? You can view video recordings of the LLFF sessions here: <http://www.luciassociation.org/lyon-light-festival-forum-2018-full-videos/>



### NEW PEER-TO-PEER EXCHANGE WITH PROJECTS FROM AROUND THE WORLD

New this year were 12 Pecha Kucha-style short presentations, which gave artists, city lighting professionals, designers and light festival organisers the opportunity to share their work with an international audience.

It featured a broad mix of creative lighting initiatives from LUCI members around the world.



# LIGHT + BUILDING

FRANKFURT, GERMANY

21 MARCH

Around 30 representatives from LUCI cities and associate members were glad to meet industry colleagues and see the latest lighting trends and innovations at Light+Building.

The world's largest trade fair for lighting and building-services technology is held every two years in Frankfurt, Germany and is organised by Messe Frankfurt. In 2018, it brought together over 2700 companies and approximately 220 000 visitors.

The trade show is combined with the Luminale lighting design and art festival with installations and performances in and around the city.

LUCI members were provided free entry tickets to the fair, and a guided tour was organised. The programme for the day included:

- > a special visit to the stands of LUCI associated members Leipziger Leuchten, Osram, Signify (formerly known as Philips Lighting), and Thorn.



- > an informal traditional German dinner followed by a bus tour of the Luminale light festival.



# TRAINING SESSION ON PUBLIC LIGHTING MANAGEMENT FOR WEST AFRICAN CITIES

OUAGADOUGOU,  
BURKINA FASO

3 - 6 JULY

## REGIONAL DYNAMIC ON PUBLIC LIGHTING IN AFRICA

The training was part of the dynamic of regional exchange and capacity-building on public lighting initiated by LUCI during the “Urban Lighting in African Cities” conference, held in May 2017 in Dakar, and carried on in November 2018 in Rabat during a specific meeting. These initiatives aim to create a regional space for reflection and to explore practices and challenges of public lighting in African cities. The common ambition is to establish public lighting as a strategic priority for urban development in Africa.



In 2018, over 15 lighting professionals from the West Africa region, representing 7 cities, participated in the training session “Strategy and Management of Urban Lighting in West African Cities”, co-organised by the Lyon Metropole, LUCI and the City of Ouagadougou in collaboration with UEMOA (West African Economic and Monetary Union) and Senghor University, in Ouagadougou (Burkina Faso).

The training session, the first of its kind, aimed to provide participants with a transversal vision of city development through public lighting – addressing both technical and political aspects – and explaining how well-planned and comprehensive urban lighting strategies can result in sustainable solutions for cities.

### Capacity-building through peer-to-peer exchanges

Representatives from the City of Lyon, LUCI and the University of Senghor in Alexandria presented theoretical aspects and tools on public lighting management, which were then illustrated by presentations of specific experiences from participating city representatives.

Focusing on providing a concrete and practical vision of public lighting strategies of West African Cities such as Abidjan, Bamako, Dakar, Saint-Louis, the training session underlined that to implement sustainable public lighting management methods, municipalities must

understand the value of working in a transversal way with an overall planning of the urban development.

### Practical application with urban lighting field visit

Participants had the opportunity to put their learnings into practice through practical groupwork applied to an area of Ouagadougou. This involved a nighttime field visit featuring new lighting equipment of the city, as well as an on-site workshop in an unlit area, where participants, in teams, were asked to identify major factors for this area and propose a lighting strategy.

A wrap-up of this case study gave participants the opportunity to present the challenges of a project to a less technically-savvy audience. This session, drawing from the know-how and experiences of the individual participants, gave them insights, ideas, and tools to improve their public lighting management, with solutions adapted to the specific context of West African middle-and-large-sized cities.

#### EVENT AT A GLANCE

- 18 lighting professionals
- 8 cities represented

#### OUAGADOUGOU AT A GLANCE

- Capital of Burkina Faso
- Founding LUCI member in 2002
- 2.5 million inhabitants



# ASIA URBAN LIGHTING WORKSHOP

SEOUL, SOUTH KOREA

27 - 29 JUNE

Organised by Seoul Metropolitan Government and LUCI, this workshop, held for the second consecutive year, was the opportunity to lay the foundation for the joint development of urban lighting in the Asian region.



## EVENT AT A GLANCE

- 50 city representatives from 23 cities
- Total 114 participants including 50 lighting professionals
- 7 city case studies presented

## SEOUL AT A GLANCE

- Capital city of South Korea
- 10 197 604 inhabitants
- Host of the LUCI Regional Office for Asia (LROA)
- President of LUCI 2018-2020



The 2018 Asia Urban Lighting Workshop was based on the theme “The role of urban lighting for sustainable development,” with six sub-themes: people, safety, culture, economy, the environment and the future.

## Lighting policies of cities across Asia

The workshop collectively explored the lighting policies of different cities in Asia, with city representatives including Bharatpur (Nepal), Chengdu (China), Hong Kong, Gangneung (S. Korea), Quezon (Philippines) and Yala (Thailand), sharing information on urban lighting in their respective municipalities. Participants agreed on the importance of saving energy, the use of eco-friendly energy sources, and the establishment of smart lighting systems in order to achieve sustainable development.

## Urban lighting in Seoul

A presentation by Kim Dae-Kwon, Team Leader of Urban Light Policy Division of the Seoul Metropolitan Government, enabled workshop attendees to explore the urban lighting development process and core policies of the City of Seoul. The lecture helped the audience understand how Seoul is leading the flow of change with advanced technologies. It addressed, among other topics, the designation of lighting environment management zones, ordinances to prevent light pollution, and smart lighting policy.

## Inspirational speeches from experts

Four expert practitioners provided lectures aiming to inspire participants and broaden their perspectives. Internationally-renowned lighting designer from Japan, Kaoru Mende, shared his vision about the future of urban lighting, while Reiko Kasai, a key player in the establishment of urban lighting master plans in cities in the

Southeast Asian region, explained the lighting plan of Singapore. Jihye Paik, Principal of Design Studio Lighn, addressed the importance of human-friendly lighting design, and Mark Burton-Page, General Director of LUCI shared innovative smart lighting cases that will play a crucial role for lighting development in the future.

## Group discussion on LUCI Pillars

A group discussion, enriched by the diverse backgrounds and experience of the individuals from different cities in Asia, was based on the sharing and understanding of the LUCI pillars as outlined in the LUCI Strategic Plan 2017 - 2027. Participants discussed roles of urban lighting in each pillar topics and practical issues they were experiencing in relation to each pillar.

# THE VOICE OF CITIES ON URBAN LIGHTING

Through partnerships and invitations to take part in various events throughout the world, LUCI shares knowledge and experiences from the network, and helps to raise awareness on urban lighting issues.

## 3<sup>rd</sup> European Nightlife Meeting LYON, FRANCE

1 - 3 FEBRUARY 2018



The 3<sup>rd</sup> edition of the European Nightlife Meeting was organised in Lyon by Eurocouncil of the Night. This organisation gathers together key actors of the nightlife from major European cities – Paris, Barcelona and Milan, among others. During the meeting, participants worked on proposals, potential solutions for the future and the enhancement of nightlife on several themes. LUCI took an active part in one of the group discussions focusing on the relationship between light and the night alongside elected officials, nightlife professionals and researchers from all over Europe.

## Guangzhou International Lighting Exhibition (GILE) GUANGZHOU, CHINA

9 - 11 JUNE 2018



For its 23<sup>rd</sup> edition, the Guangzhou International Lighting Exhibition (GILE) theme was “Embracing changes”: to explore the field of connected and smart lighting. With close to 166 000 visitors, GILE is one of the largest professional fairs on lighting in Asia, organised by Messe Frankfurt Hong Kong. LUCI was invited to speak during a conference on the Future of Lighting. Ms Elisa Hillgen, from the City of Jyväskylä and member of the LUCI Executive Committee represented LUCI at this occasion with a speech on changes of lighting design in smart cities.

## Shanghai International City Lighting Summit SHANGHAI, CHINA

3 - 4 SEPTEMBER 2018



Initiated by the City of Shanghai, the summit was jointly organised by the Landscaping and City Appearance Administrative Bureau, the Shanghai Trade Association of City Appearance and the Shanghai Lighting Association, in the context of the Shanghai International Lighting Fair (SILF). It gathered over 300 participants mainly from China, to address the importance of landscape lighting for the city and its development. It featured 10 keynote speakers from China and overseas, including speeches from LUCI, Tsinghua University and Nanjing.

## Metropolis: by Light conference MALMO, SWEDEN

12 - 23 SEPTEMBER 2018



The Lighting Metropolis project, funded by INTERREG EU Programme, is the result of a collaboration between cities, universities and companies in the Greater Copenhagen region (including Copenhagen, Albertslund and Gate 21, members of LUCI) to develop, test, research and demonstrate intelligent and human centric lighting solutions. Metropolis: by Light was the final conference of the project. LUCI General Director was invited as one of the keynote speakers and shared some insights about how cities can be made more liveable with the use of light.

## Professional Lighting Design Convention SINGAPORE

24 - 27 OCTOBER 2018



Organised in Asia for the first time, PLDC 2018 in Singapore brought together around 800 participants from the global lighting design market. LUCI General Director took part as a keynote speaker in one of the Convention's side meetings. Focusing on digitalisation in the urban realm, the speech mainly covered challenges and potential benefits from smart lighting for cities.



# LUCI PROJECTS

As a leading network on urban lighting, LUCI explores through its activities and various projects, the new facets and potentials of urban lighting in both permanent and temporary aspects.

Whether by commissioning research on some of the key issues on urban lighting or by providing concrete technical support, LUCI offers tools for cities and lighting professionals to progress together towards a better and more sustainable use of light.

# PATHWAYS TO SMART URBAN LIGHTING

The Pathways to Smart Urban Lighting project is the first global, comparative study of municipal pathways to smart lighting.

It is conducted by the London School of Economics (Configuring Light research group), in collaboration with LUCI. The project has been financially supported by OSRAM.



## Objective

The project's objective is to improve cities' understanding of planning and implementation of smart lighting.

## Activities in 2018

### • International survey

Project researchers, Don Slater and Elettra Bordonaro from LSE Configuring Light, launched a survey of municipalities in the LUCI network and beyond in April 2018. Cities were asked about their smart lighting practices, feedback and perspectives. The findings of the survey enabled a preliminary mapping and database of municipal smart lighting policy, practice and planning, and will feed into the final report.

### • Group discussions and interviews

Two group discussions were organised within the framework of the project, during the City under Microscope in Toulouse (May 2018) and the LUCI Annual General Meeting in Rabat (November 2018). They brought together municipal decision makers from cities such as Budapest, Eindhoven, Ghent, Glasgow, Helsinki, Malaga, Rotterdam and Tallinn amongst others, for group discussions with the LSE research team. In-depth interviews were also conducted with several cities.

### • Preliminary results

Some of the first findings of the project were presented during LUCI AGM Rabat by Don Slater and Elettra Bordonaro. The final report of the Pathways to Smart Urban Lighting project will be available in 2019.

# PROJECT ROCK

## Aim and objectives of the EU project

ROCK (Regeneration and Optimisation of Cultural heritage in creative and Knowledge cities) focuses on historic city centres as extraordinary laboratories to demonstrate how cultural heritage can be a unique and powerful engine of regeneration, sustainable development and economic growth for the whole city.

The project involves 7 Role Model Cities (Athens, Cluj-Napoca, Eindhoven, Liverpool, Lyon, Turin, Vilnius) and 3 Replicators Cities (Bologna, Lisbon, Skopje), which are engaged in using cultural heritage as driver for urban growth, sustainability commitment and social inclusion in their political agenda.

## Public lighting governance: the challenge of light clutter

Among other activities, LUCI is involved in the ROCK project as a third linked party to the City of Lyon, to explore how cities can create better urban lighting governance structures that limit light clutter and ensure quality lighting.

The accessibility of LED technology and its multiple potentials for colours and dynamism has led to its widespread use, sometimes creating cases of light clutter particularly in

places where the nocturnal landscape has been carefully crafted, such as, for example, in city cultural heritage areas.

In many cities there is no overall governance framework to regulate, coordinate and prevent this invasive use of light.

- From January to June, **LUCI supported a field study by the City of Lyon and INSA** (the National Institute of Applied Sciences – Lyon) that aimed to develop a typology of private lighting initiatives and analyse their impact on nocturnal ambience in three sectors of the historical city centre.
- From June to September, **LUCI conducted a survey** to document existing policies and practices on the governance of private lighting at the European level. 25 cities from 16 different countries took part in the survey.
- On the 18<sup>th</sup> September, the City of Lyon and LUCI co-organised a **workshop entitled “Private Lighting in the City”** which gathered representatives from 10 cities to share and exchange about the topic. Organised in three separate sessions, the workshop was an opportunity for participants to explore existing policies and practices around private lighting in public space, both in terms of soft and hard power.



*This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 730280*

# ROCK

EUROPEAN  
PROGRAMME  
H2020

TOTAL PROJECT  
BUDGET  
10.6 Million €

## PARTNERS

10 cities, 7 universities, 3 networks of enterprises, 2 networks of cities, several companies and development agencies, a foundation and a charity. In this project, LUCI is linked third party to the City of Lyon, with a Budget of 48 125 €.

## DURATION

3 years from March 2017 - March 2020

# SMART-SPACE PROJECT

**The Smart-Space project aims to facilitate the uptake of smart lighting in small/mid-size municipalities to enhance energy-efficiency and reduce CO<sub>2</sub> emission across the North West Europe Region.**

Using sensors attached to light poles, street lighting intensity can be automatically adjusted to the actual local needs, realizing 60% reduction in light energy consumption. However, until now implementation occurred mainly in small scale pilot projects, indicating that to reach the low carbon objectives requires a strong, transnational collaboration to move beyond piecemeal solutions.

Led by the City of Ostend, Smart-Space brings together end-users (cities/citizens) and innovation stakeholders (research institutes, SMEs, enterprises) from the Netherlands, Belgium, France and Ireland to jointly facilitate the uptake of dimming technologies to reduce energy consumption and CO<sub>2</sub> emission.

## Smart-Space will:

- 1 - develop an interoperable smart lighting module adjustable to the specific needs of different municipalities;
- 2 - demonstrate the impact of smart lighting on energy consumption and CO<sub>2</sub> emission, while enhancing public safety and liveability in 4 pilot municipalities;

- 3 - increase awareness on smart lighting technologies and their potential;
- 4 - develop a transition roadmap with procurement standards, implementation guidelines, and policy recommendations to the EU, and
- 5 - establish the sustainable Smart-Space knowledge centre. On the long-term, the aim of the Smart-Space project is to support the widespread uptake of smart lighting technologies to reduce energy consumption and CO<sub>2</sub> emission across North-West Europe.

## Within Smart-Space, the main role of LUCI will be to:

- 1 - bring in lessons and best practices from past EU projects and existing smart lighting initiatives;
- 2 - co-develop and implement the dissemination strategy to ensure large-scale roll-out;
- 3 - establish and maintain a sustainable Smart-Space knowledge centre.
- 4 - develop a set of international policy recommendations;

More Information: <http://www.nweurope.eu/projects/project-search/smart-space-smart-sustainable-public-spaces-across-the-nwe-region/>



EUROPEAN PROGRAMME  
INTERREG North-West Europe

TOTAL PROJECT BUDGET  
5.73 Million €, including 3.44 Million €  
EU funding and 183 068 € for LUCI

PARTNERS  
4 cities - Middleburg (NL),  
Ostende (BE), Sin Niklaas (BE),  
Tipperary (IE)  
4 universities or research centres,  
2 companies & LUCI

DURATION  
May 2018 - July 2021



# LUCI RESOURCES

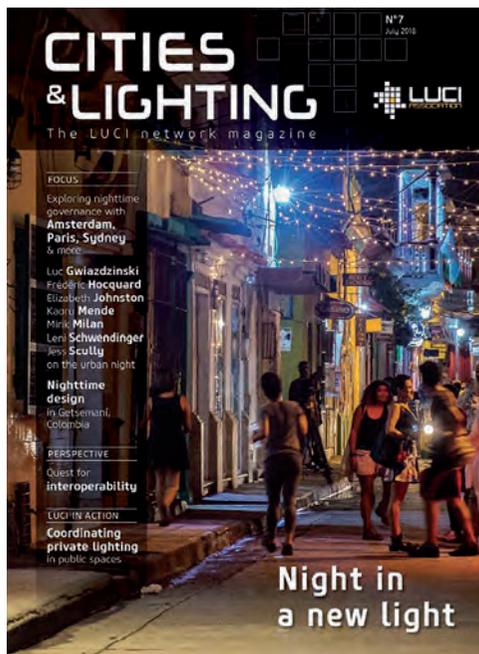
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LUCI is a resource centre on urban lighting, as well as an observatory for new and future applications of light in the city, capitalising on the wide range of knowledge and experiences from cities and lighting professionals worldwide existing within the network.

Through its editorial content, publications and online knowledge-sharing tools addressing key issues in urban lighting and highlighting exemplary practices and innovative projects from around the world, LUCI aims to promote a culture of sustainable lighting.

# CITIES & LIGHTING MAGAZINE

*Cities & Lighting* - the international magazine published by LUCI - addresses key issues in the domain and features urban lighting projects worldwide.



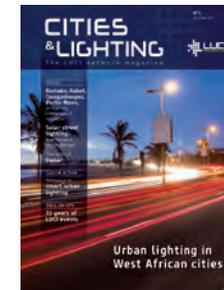
## CITIES & LIGHTING N°7 July 2018

### NIGHT IN A NEW LIGHT

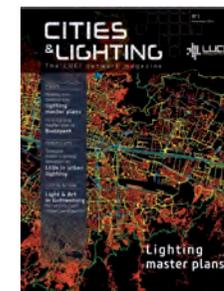
The 7<sup>th</sup> edition, released in summer 2018, featured:

- A focus on the new dimensions of the urban nighttime, with leading policy-makers, researchers and lighting professionals from Amsterdam, Paris, Sydney and beyond on the different facets of the nighttime in cities, its essence and its future.
- The perspective of the City of Eindhoven on the importance of interoperability in smart public lighting networks;
- A look at the challenges related to coordinating private lighting in the public space;
- And lighting projects and initiatives from around the world...

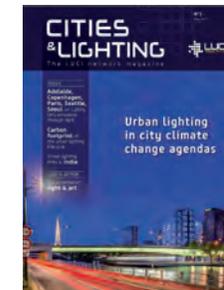
## PAST ISSUES:



## CITIES & LIGHTING N°6 (December 2017) Urban lighting in West African Cities



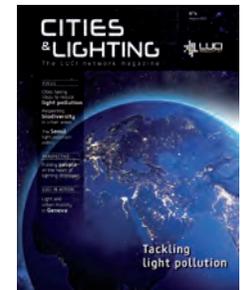
## CITIES & LIGHTING N°3 (November 2015) Lighting master plans



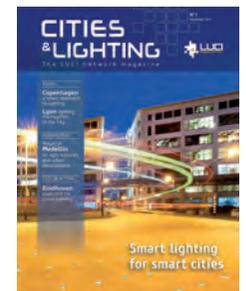
## CITIES & LIGHTING N°5 (May 2017) Urban lighting in city climate change agendas



## CITIES & LIGHTING N°2 (April 2015) Lighting heritage sites

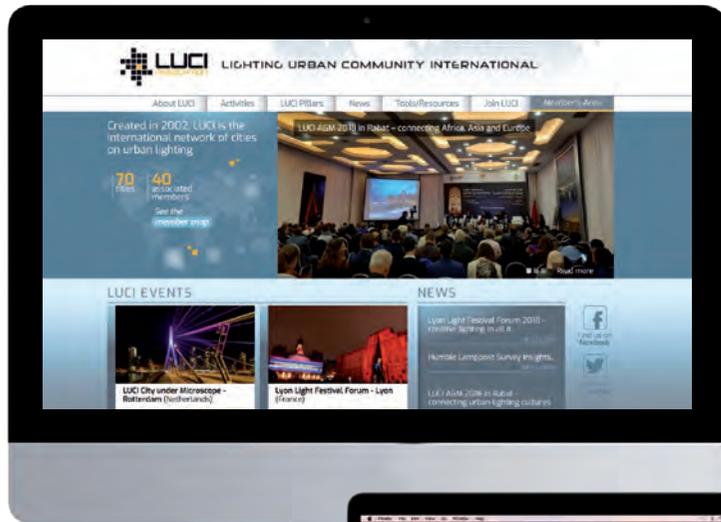


## CITIES & LIGHTING N°4 (August 2016) Tackling light pollution



## CITIES & LIGHTING N°1 (November 2014) Smart lighting for smart cities

# COMMUNICATION & WEB TOOLS



## LUCI WEBSITE

[www.luciasociation.org](http://www.luciasociation.org)

- Average 2500 users per month
- 55 articles in 2018



## LUCI ON TWITTER

@LUCIassociation

- Over 480 followers
- 220 tweets on #LUCInetwork official hashtag

Follow LUCI on Twitter!

## LIGHT FESTIVAL CALENDAR

Over 50 light festivals listed by continent including updated information on dates, organisers, artists involved, budget, etc.



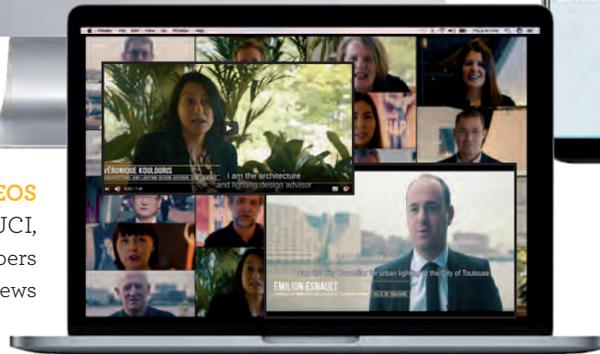
## LUCI NEWSFLASH

Monthly e-newsletters tailor-made for LUCI members.

## LUCI VIDEOS

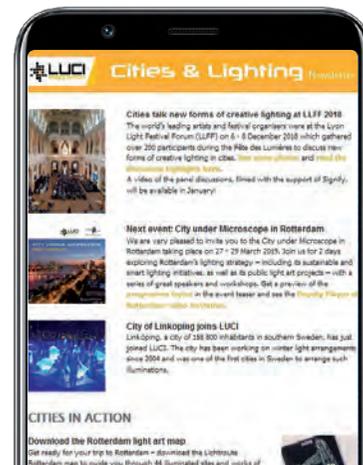
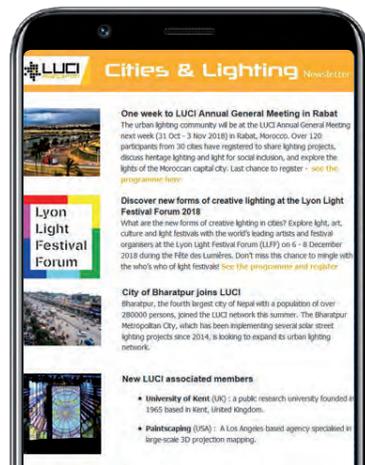
New videos about LUCI, its activities and its members

- Over 1500 views



## CITIES & LIGHTING NEWSLETTER

New monthly e-newsletters sharing news from LUCI and LUCI cities with the international lighting and urban planning community beyond the network.



## LUCI FACEBOOK PAGE

- 1248 page likes
- Over 1280 page followers

Join us on Facebook!

[www.facebook.com/LUCIAssociation](http://www.facebook.com/LUCIAssociation)



# LUCI IN THE PRESS



RAISSONANCE AIMF (FRANCE)



EXCURS MAGAZINE (GERMANY)



ARCHITECTURAL LIGHTING (USA)



LIGHTECTURE (SPAIN)



INFO MÉDIAIRE (MOROCCO)



LUX (FRANCE)



LIGHT ZOOM LUMIERE (FRANCE)



SMART CITIES WORLD



# LUCI ORGANISATION

# LUCI EXECUTIVE COMMITTEE

LUCI is governed by an Executive Committee (EC) which is elected by the General Assembly of members. It defines the association's policy orientations, discusses development, management and general activities. The EC draws up the draft budget and the Association's accounts, sets the annual subscription fees, and validates memberships.

The EC is composed of nine city members (voting members):

- > Seoul (South Korea)
- > Jyväskylä (Finland)
- > Lyon (France)
- > Gothenburg (Sweden)
- > Albertslund (Denmark)
- > Eindhoven (Netherlands)
- > Glasgow (UK)
- > Rabat (Morocco)
- > Rotterdam (Netherlands)

The EC also includes three representatives from amongst supporting associated members (non-voting members):

- > Fluvius
- > Omexom
- > Signify



### BOARD OF THE LUCI EXECUTIVE COMMITTEE

Amongst the EC, a board is elected to ensure LUCI's governance. In 2018, during the General Assembly in Rabat, the City of Seoul was elected as President, marking the first time a city from Asia presides over the association.

In 2018, the EC held three meetings in:

- > Toulouse, 23<sup>rd</sup> May
- > Lyon, 18<sup>th</sup> September
- > Rabat, 31<sup>st</sup> October



**Hee Seon Jin**  
Vice Mayor II  
**SEOUL**  
LUCI President



**Ahti Ruoppila**  
Chairman of the Urban  
Planning Board  
**JYVÄSKYLÄ**  
1<sup>st</sup> LUCI Vice President



**Karine Dognin-Sauze**  
Vice Mayor  
**LYON**  
2<sup>nd</sup> LUCI Vice President



**Ingemar Johansson**  
Head of Public Light  
**GOTHENBURG**  
LUCI Treasurer

### LUCI TEAM

The LUCI Head Office consists of a team of four persons based in Lyon working day to day to ensure the success of the network's activities.



**Mark Burton-Page**  
General Director



**Camille  
Chaumeron-Jourdan**  
Programme Manager



**Jessica Ferey**  
Programme Manager



**Nikita Junagade**  
Communication Manager

### LUCI REGIONAL OFFICE FOR ASIA

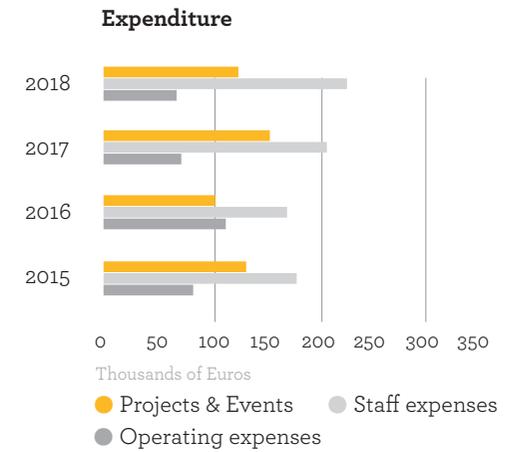
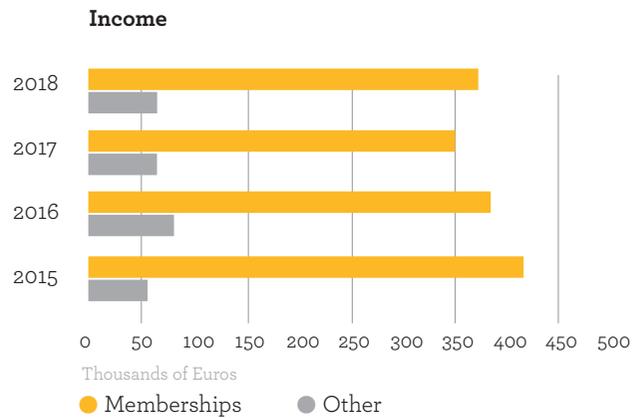
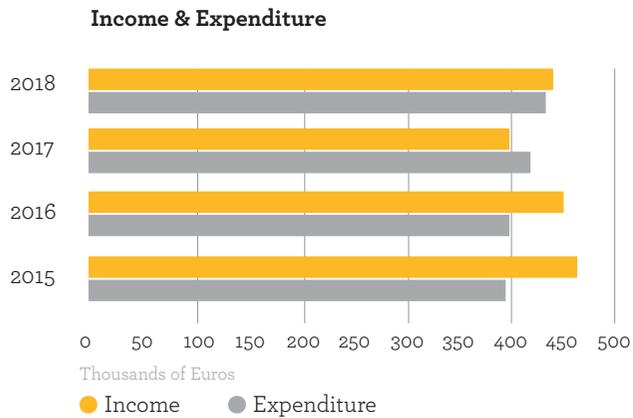
The LUCI Regional Office for Asia (LROA) supports the balanced regional development of the network and reflects the lighting culture and identity of Asian cities in the global conversation on urban lighting. It is a representative office of LUCI Association in Asia which promotes and delivers activities on behalf of LUCI. The main activity of LROA in 2018 has been the organisation of the Asia Urban Lighting Workshop, bringing together 23 cities from the Region. (See page 29)

LROA is managed by a Technical Coordinator, employed by the Seoul Metropolitan Government:  
**So-Jin Park**, LROA Technical Coordinator.

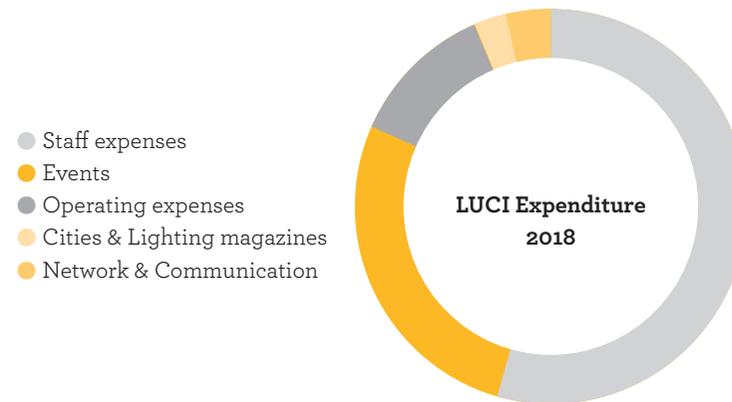
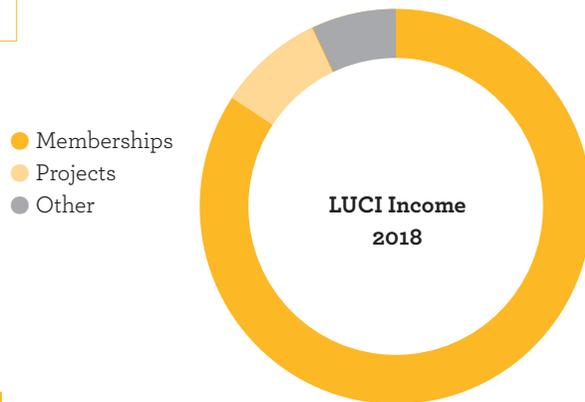


# FAST FINANCIAL FACTS

## FINANCIAL OVERVIEW 2015 - 2018



## ANNUAL ACCOUNTS 2018



# SAVE THE DATE!

## Main LUCI events in 2019

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|---|--|---|---|---|
| <p><b>LUCI CITY UNDER MICROSCOPE</b><br/>Rotterdam (The Netherlands)</p> <p>27 - 29 March</p> | <p><b>ASIA URBAN LIGHTING WORKSHOP</b><br/>Seoul (South Korea)</p> <p>25 - 28 June</p> | <p><b>LUCI ANNUAL GENERAL MEETING</b><br/>Shanghai (China)</p> <p>September/October</p> | <p><b>LUCI CITY UNDER MICROSCOPE</b><br/>Oulu (Finland)</p> <p>20 - 23 November</p> | <p><b>LYON LIGHT FESTIVAL FORUM</b><br/>Lyon (France)</p> <p>5 - 7 December</p>     |
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**LUCI Association**  
 13 rue du Griffon - 69001 Lyon (France)  
 T: +33 (0)4 27 11 85 37  
[www.luciasociation.org](http://www.luciasociation.org)

**Director of Publication:** Mr. Hee Seon Jin

**Texts:** LUCI Team  
**Graphic design:** NH DESIGN Lyon  
**Printing:** Alpha

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